



Wednesday, December 05, 2012

Luis Vega
EA Engineering, Science, and Technology
405 S. Highway 121
Building C, Suite 100
Lewisville, TX 75067-8192
RE: 12224: 1434292 B3

Order No.: 1212002

Dear Luis:

Vista GeoScience received 18 sample(s) on 11/20/2012 for the analyses presented in the following report.

There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications except where noted in the Case Narrative.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

A handwritten signature in black ink, appearing to read "Roger Bain", with a red checkmark to its right.

Digitally signed by Roger Bain
DN: cn=Roger Bain, o=Vista Geoscience, ou,
email=rbain@vistageoscience.com, c=US
Date: 2012.12.06 09:06:09 -07'00'

Roger Bain
Senior Chemist

CLIENT: EA Engineering, Science, and Technology
Project: 12224: 1434292 B3
Lab Order: 1212002

CASE NARRATIVE

Samples were received on 11/20/12 from EA Engineering; received Passive Soil Gas Device (PSGD) deployment record, but no chain of custody form.

Samples were analyzed using the methods outlined in the following references:
Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition.

Calibration - The laboratory instruments are calibrated using method appropriate standards. On each day project samples are analyzed the instrument calibration is verified using a mid level Continuing Calibration Verification (CCV). Calculations are carried out by the data system to compute the actual concentration of analyte in the original sample.

Method Blanks, Trip Blanks and Instrument Blanks - Blanks are analyzed after each initial calibration, continuing calibration verification, and after samples determined to have high concentrations of analytes to verify system cleanliness. Method blanks are analyzed to verify the cleanliness of procedures requiring sample preparation prior to analysis. Trip blanks are prepared by the laboratory and accompany the samples to verify that there was no contamination during transport.

Surrogate Recoveries - Some methods require the addition of surrogate compounds and are monitored to determine the efficacy of the analyte recovery from the sample matrix. In cases where multiple surrogates are added at least one must be recovered within Quality Control limits for the data to be accepted.

Batch QC - Prior to analysis, the project samples are associated with a QC batch. This batch is then prepared and analyzed along with QC samples prepared at the same time and using the same reagents and standards. The QC samples associated with a sample batch may include Method Blanks (MB). The results of the batch QC samples are included in the QC section of the report.

Analyst Comments:

PSGD samples E4, E3.5 and E3.5DUP have trichloroethene reported above the upper linear range of the instrument; the reported values are estimated from TIC data and flagged with an "E". The TIC data was used to estimate the value of trichloroethene, because the amount of analyte on the PSGD saturated the detector. PSGD Trip blank all of the surrogate recoveries were outside of control limits.



Digitally signed by Roger Bain
DN: cn=Roger Bain, o=Vista Geoscience, ou,
email=rbain@vistageoscience.com, c=US
Date: 2012.12.06 09:05:45 -07'00'

Roger Bain
Senior Chemist

Vista GeoScience

Date: 05-Dec-12

CLIENT: EA Engineering, Science, and Technology
Lab Order: 1212002
Project: 12224: 1434292 B3
Lab ID: 1212002-001A

Client Sample ID: A3
Tag Number:
Collection Date: 11/19/2012
Matrix: SOIL GAS

Date Received: 11/20/2012

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PSGD BY 8260B MODIFIED		SW8260B		(ATD/GC/MS)		Analyst: RB
Vinyl chloride	ND	25		ng	1	11/28/2012
cis-1,2-Dichloroethene	ND	25		ng	1	11/28/2012
Trichloroethene	ND	25		ng	1	11/28/2012
Surr: 4-Bromofluorobenzene	110	80-120		%REC	1	11/28/2012
Surr: Dibromofluoromethane	22.2	80-120	S	%REC	1	11/28/2012
Surr: Toluene-d8	124	80-120	S	%REC	1	11/28/2012

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Vista GeoScience

Date: 05-Dec-12

CLIENT: EA Engineering, Science, and Technology
Lab Order: 1212002
Project: 12224: 1434292 B3
Lab ID: 1212002-002A

Client Sample ID: C3
Tag Number:
Collection Date: 11/19/2012
Matrix: SOIL GAS

Date Received: 11/20/2012

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PSGD BY 8260B MODIFIED		SW8260B		(ATD/GC/MS)		Analyst: RB
Vinyl chloride	ND	25		ng	1	12/3/2012
cis-1,2-Dichloroethene	ND	25		ng	1	12/3/2012
Trichloroethene	ND	25		ng	1	12/3/2012
Surr: 4-Bromofluorobenzene	97.1	80-120		%REC	1	12/3/2012
Surr: Dibromofluoromethane	91.8	80-120		%REC	1	12/3/2012
Surr: Toluene-d8	125	80-120	S	%REC	1	12/3/2012

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Vista GeoScience

Date: 05-Dec-12

CLIENT: EA Engineering, Science, and Technology
Lab Order: 1212002
Project: 12224: 1434292 B3
Lab ID: 1212002-003A

Client Sample ID: D3.5
Tag Number:
Collection Date: 11/19/2012
Matrix: SOIL GAS

Date Received: 11/20/2012

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PSGD BY 8260B MODIFIED		SW8260B		(ATD/GC/MS)		Analyst: RB
Vinyl chloride	ND	25		ng	1	12/3/2012
cis-1,2-Dichloroethene	ND	25		ng	1	12/3/2012
Trichloroethene	9.2	25	J	ng	1	12/3/2012
Surr: 4-Bromofluorobenzene	112	80-120		%REC	1	12/3/2012
Surr: Dibromofluoromethane	41.4	80-120	S	%REC	1	12/3/2012
Surr: Toluene-d8	107	80-120		%REC	1	12/3/2012

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Vista GeoScience

Date: 05-Dec-12

CLIENT: EA Engineering, Science, and Technology
Lab Order: 1212002
Project: 12224: 1434292 B3
Lab ID: 1212002-004A

Client Sample ID: DE3.5
Tag Number:
Collection Date: 11/19/2012
Matrix: SOIL GAS

Date Received: 11/20/2012

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PSGD BY 8260B MODIFIED		SW8260B		(ATD/GC/MS)		Analyst: RB
Vinyl chloride	ND	25		ng	1	11/28/2012
cis-1,2-Dichloroethene	ND	25		ng	1	11/28/2012
Trichloroethene	100	25		ng	1	11/28/2012
Surr: 4-Bromofluorobenzene	87.3	80-120		%REC	1	11/28/2012
Surr: Dibromofluoromethane	87.6	80-120		%REC	1	11/28/2012
Surr: Toluene-d8	100	80-120		%REC	1	11/28/2012

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Vista GeoScience

Date: 05-Dec-12

CLIENT: EA Engineering, Science, and Technology
Lab Order: 1212002
Project: 12224: 1434292 B3
Lab ID: 1212002-005A

Client Sample ID: E3.5
Tag Number:
Collection Date: 11/19/2012
Matrix: SOIL GAS

Date Received: 11/20/2012

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PSGD BY 8260B MODIFIED		SW8260B		(ATD/GC/MS)		Analyst: RB
Vinyl chloride	ND	25		ng	1	11/28/2012
cis-1,2-Dichloroethene	ND	25		ng	1	11/28/2012
Trichloroethene	12000	25	E	ng	1	11/28/2012
Surr: 4-Bromofluorobenzene	100	80-120		%REC	1	11/28/2012
Surr: Dibromofluoromethane	43.8	80-120	S	%REC	1	11/28/2012
Surr: Toluene-d8	96.8	80-120		%REC	1	11/28/2012

Qualifiers:

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- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Vista GeoScience

Date: 05-Dec-12

CLIENT: EA Engineering, Science, and Technology
Lab Order: 1212002
Project: 12224: 1434292 B3
Lab ID: 1212002-006A

Client Sample ID: E3.5DUP
Tag Number:
Collection Date: 11/19/2012
Matrix: SOIL GAS

Date Received: 11/20/2012

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PSGD BY 8260B MODIFIED		SW8260B		(ATD/GC/MS)		Analyst: RB
Vinyl chloride	ND	25		ng	1	12/3/2012
cis-1,2-Dichloroethene	ND	25		ng	1	12/3/2012
Trichloroethene	9700	25	E	ng	1	12/3/2012
Surr: 4-Bromofluorobenzene	82.3	80-120		%REC	1	12/3/2012
Surr: Dibromofluoromethane	39.9	80-120	S	%REC	1	12/3/2012
Surr: Toluene-d8	94.8	80-120		%REC	1	12/3/2012

Qualifiers:

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- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Vista GeoScience

Date: 05-Dec-12

CLIENT: EA Engineering, Science, and Technology
Lab Order: 1212002
Project: 12224: 1434292 B3
Lab ID: 1212002-007A

Client Sample ID: E4
Tag Number:
Collection Date: 11/19/2012
Matrix: SOIL GAS

Date Received: 11/20/2012

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PSGD BY 8260B MODIFIED		SW8260B		(ATD/GC/MS)		Analyst: RB
Vinyl chloride	ND	25		ng	1	12/3/2012
cis-1,2-Dichloroethene	ND	25		ng	1	12/3/2012
Trichloroethene	2700	25	E	ng	1	12/3/2012
Surr: 4-Bromofluorobenzene	117	80-120		%REC	1	12/3/2012
Surr: Dibromofluoromethane	70.1	80-120	S	%REC	1	12/3/2012
Surr: Toluene-d8	100	80-120		%REC	1	12/3/2012

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Vista GeoScience

Date: 05-Dec-12

CLIENT: EA Engineering, Science, and Technology
Lab Order: 1212002
Project: 12224: 1434292 B3
Lab ID: 1212002-008A

Client Sample ID: DE4
Tag Number:
Collection Date: 11/19/2012
Matrix: SOIL GAS

Date Received: 11/20/2012

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PSGD BY 8260B MODIFIED		SW8260B		(ATD/GC/MS)		Analyst: RB
Vinyl chloride	ND	25		ng	1	11/28/2012
cis-1,2-Dichloroethene	ND	25		ng	1	11/28/2012
Trichloroethene	110	25		ng	1	11/28/2012
Surr: 4-Bromofluorobenzene	105	80-120		%REC	1	11/28/2012
Surr: Dibromofluoromethane	70.4	80-120	S	%REC	1	11/28/2012
Surr: Toluene-d8	104	80-120		%REC	1	11/28/2012

Qualifiers:

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- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Vista GeoScience

Date: 05-Dec-12

CLIENT: EA Engineering, Science, and Technology
Lab Order: 1212002
Project: 12224: 1434292 B3
Lab ID: 1212002-009A

Client Sample ID: D4
Tag Number:
Collection Date: 11/19/2012
Matrix: SOIL GAS

Date Received: 11/20/2012

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PSGD BY 8260B MODIFIED		SW8260B		(ATD/GC/MS)		Analyst: RB
Vinyl chloride	ND	25		ng	1	12/3/2012
cis-1,2-Dichloroethene	ND	25		ng	1	12/3/2012
Trichloroethene	ND	25		ng	1	12/3/2012
Surr: 4-Bromofluorobenzene	121	80-120	S	%REC	1	12/3/2012
Surr: Dibromofluoromethane	73.9	80-120	S	%REC	1	12/3/2012
Surr: Toluene-d8	103	80-120		%REC	1	12/3/2012

Qualifiers:

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- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits

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- ND Not Detected at the Reporting Limit

Vista GeoScience

Date: 05-Dec-12

CLIENT: EA Engineering, Science, and Technology
Lab Order: 1212002
Project: 12224: 1434292 B3
Lab ID: 1212002-010A

Client Sample ID: C4
Tag Number:
Collection Date: 11/19/2012
Matrix: SOIL GAS

Date Received: 11/20/2012

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PSGD BY 8260B MODIFIED		SW8260B		(ATD/GC/MS)		Analyst: RB
Vinyl chloride	ND	25		ng	1	11/28/2012
cis-1,2-Dichloroethene	ND	25		ng	1	11/28/2012
Trichloroethene	ND	25		ng	1	11/28/2012
Surr: 4-Bromofluorobenzene	76.7	80-120	S	%REC	1	11/28/2012
Surr: Dibromofluoromethane	0	80-120	S	%REC	1	11/28/2012
Surr: Toluene-d8	97.6	80-120		%REC	1	11/28/2012

Qualifiers:

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- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Vista GeoScience

Date: 05-Dec-12

CLIENT: EA Engineering, Science, and Technology
Lab Order: 1212002
Project: 12224: 1434292 B3
Lab ID: 1212002-011A

Client Sample ID: B4
Tag Number:
Collection Date: 11/19/2012
Matrix: SOIL GAS

Date Received: 11/20/2012

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PSGD BY 8260B MODIFIED		SW8260B		(ATD/GC/MS)		Analyst: RB
Vinyl chloride	ND	25		ng	1	11/28/2012
cis-1,2-Dichloroethene	ND	25		ng	1	11/28/2012
Trichloroethene	ND	25		ng	1	11/28/2012
Surr: 4-Bromofluorobenzene	102	80-120		%REC	1	11/28/2012
Surr: Dibromofluoromethane	35.6	80-120	S	%REC	1	11/28/2012
Surr: Toluene-d8	129	80-120	S	%REC	1	11/28/2012

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Vista GeoScience

Date: 05-Dec-12

CLIENT: EA Engineering, Science, and Technology
Lab Order: 1212002
Project: 12224: 1434292 B3
Lab ID: 1212002-012A

Client Sample ID: A4
Tag Number:
Collection Date: 11/19/2012
Matrix: SOIL GAS

Date Received: 11/20/2012

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PSGD BY 8260B MODIFIED		SW8260B		(ATD/GC/MS)		Analyst: RB
Vinyl chloride	ND	25		ng	1	11/28/2012
cis-1,2-Dichloroethene	ND	25		ng	1	11/28/2012
Trichloroethene	ND	25		ng	1	11/28/2012
Surr: 4-Bromofluorobenzene	87.5	80-120		%REC	1	11/28/2012
Surr: Dibromofluoromethane	33.7	80-120	S	%REC	1	11/28/2012
Surr: Toluene-d8	100	80-120		%REC	1	11/28/2012

Qualifiers:

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- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits

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- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Vista GeoScience

Date: 05-Dec-12

CLIENT: EA Engineering, Science, and Technology
Lab Order: 1212002
Project: 12224: 1434292 B3
Lab ID: 1212002-013A

Client Sample ID: D4.5
Tag Number:
Collection Date: 11/19/2012
Matrix: SOIL GAS

Date Received: 11/20/2012

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PSGD BY 8260B MODIFIED		SW8260B		(ATD/GC/MS)		Analyst: RB
Vinyl chloride	ND	25		ng	1	11/28/2012
cis-1,2-Dichloroethene	ND	25		ng	1	11/28/2012
Trichloroethene	ND	25		ng	1	11/28/2012
Surr: 4-Bromofluorobenzene	122	80-120	S	%REC	1	11/28/2012
Surr: Dibromofluoromethane	59.6	80-120	S	%REC	1	11/28/2012
Surr: Toluene-d8	103	80-120		%REC	1	11/28/2012

Qualifiers:

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- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Vista GeoScience

Date: 05-Dec-12

CLIENT: EA Engineering, Science, and Technology
Lab Order: 1212002
Project: 12224: 1434292 B3
Lab ID: 1212002-014A

Client Sample ID: F4
Tag Number:
Collection Date: 11/19/2012
Matrix: SOIL GAS

Date Received: 11/20/2012

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PSGD BY 8260B MODIFIED		SW8260B		(ATD/GC/MS)		Analyst: RB
Vinyl chloride	ND	25		ng	1	11/28/2012
cis-1,2-Dichloroethene	ND	25		ng	1	11/28/2012
Trichloroethene	ND	25		ng	1	11/28/2012
Surr: 4-Bromofluorobenzene	71.5	80-120	S	%REC	1	11/28/2012
Surr: Dibromofluoromethane	65.4	80-120	S	%REC	1	11/28/2012
Surr: Toluene-d8	87.1	80-120		%REC	1	11/28/2012

Qualifiers:

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- E Value above quantitation range
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Vista GeoScience

Date: 05-Dec-12

CLIENT: EA Engineering, Science, and Technology
Lab Order: 1212002
Project: 12224: 1434292 B3
Lab ID: 1212002-015A

Client Sample ID: G4
Tag Number:
Collection Date: 11/19/2012
Matrix: SOIL GAS

Date Received: 11/20/2012

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PSGD BY 8260B MODIFIED		SW8260B		(ATD/GC/MS)		Analyst: RB
Vinyl chloride	ND	25		ng	1	12/3/2012
cis-1,2-Dichloroethene	ND	25		ng	1	12/3/2012
Trichloroethene	ND	25		ng	1	12/3/2012
Surr: 4-Bromofluorobenzene	125	80-120	S	%REC	1	12/3/2012
Surr: Dibromofluoromethane	86.6	80-120		%REC	1	12/3/2012
Surr: Toluene-d8	109	80-120		%REC	1	12/3/2012

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Vista GeoScience

Date: 05-Dec-12

CLIENT: EA Engineering, Science, and Technology
Lab Order: 1212002
Project: 12224: 1434292 B3
Lab ID: 1212002-016A

Client Sample ID: G4DUP
Tag Number:
Collection Date: 11/19/2012
Matrix: SOIL GAS

Date Received: 11/20/2012

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PSGD BY 8260B MODIFIED		SW8260B		(ATD/GC/MS)		Analyst: RB
Vinyl chloride	ND	25		ng	1	12/3/2012
cis-1,2-Dichloroethene	ND	25		ng	1	12/3/2012
Trichloroethene	ND	25		ng	1	12/3/2012
Surr: 4-Bromofluorobenzene	79.7	80-120	S	%REC	1	12/3/2012
Surr: Dibromofluoromethane	25.9	80-120	S	%REC	1	12/3/2012
Surr: Toluene-d8	103	80-120		%REC	1	12/3/2012

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Vista GeoScience

Date: 05-Dec-12

CLIENT: EA Engineering, Science, and Technology
Lab Order: 1212002
Project: 12224: 1434292 B3
Lab ID: 1212002-017A

Client Sample ID: G3
Tag Number:
Collection Date: 11/19/2012
Matrix: SOIL GAS

Date Received: 11/20/2012

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PSGD BY 8260B MODIFIED		SW8260B		(ATD/GC/MS)		Analyst: RB
Vinyl chloride	ND	25		ng	1	12/3/2012
cis-1,2-Dichloroethene	ND	25		ng	1	12/3/2012
Trichloroethene	ND	25		ng	1	12/3/2012
Surr: 4-Bromofluorobenzene	135	80-120	S	%REC	1	12/3/2012
Surr: Dibromofluoromethane	96.2	80-120		%REC	1	12/3/2012
Surr: Toluene-d8	95.0	80-120		%REC	1	12/3/2012

Qualifiers:

- * Value exceeds Maximum Contaminant Level
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- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Vista GeoScience

Date: 05-Dec-12

CLIENT: EA Engineering, Science, and Technology
Lab Order: 1212002
Project: 12224: 1434292 B3
Lab ID: 1212002-018A

Client Sample ID: Trip Blank
Tag Number:
Collection Date: 11/19/2012
Matrix: SOIL GAS

Date Received: 11/20/2012

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PSGD BY 8260B MODIFIED		SW8260B		(ATD/GC/MS)		Analyst: RB
Vinyl chloride	ND	25		ng	1	11/28/2012
cis-1,2-Dichloroethene	ND	25		ng	1	11/28/2012
Trichloroethene	ND	25		ng	1	11/28/2012
Surr: 4-Bromofluorobenzene	70.5	80-120	S	%REC	1	11/28/2012
Surr: Dibromofluoromethane	2.88	80-120	S	%REC	1	11/28/2012
Surr: Toluene-d8	75.2	80-120	S	%REC	1	11/28/2012

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Lab Order: 1212002
Client: EA Engineering, Science, and Technology
Project: 12224: 1434292 B3

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
1212002-001A	A3	11/19/2012	PSGD	PSGD by 8260B modified		11/28/2012	11/28/2012
1212002-002A	C3			PSGD by 8260B modified		12/3/2012	12/3/2012
1212002-003A	D3.5			PSGD by 8260B modified		12/3/2012	12/3/2012
1212002-004A	DE3.5			PSGD by 8260B modified		11/28/2012	11/28/2012
1212002-005A	E3.5			PSGD by 8260B modified		11/28/2012	11/28/2012
1212002-006A	E3.5DUP			PSGD by 8260B modified		12/3/2012	12/3/2012
1212002-007A	E4			PSGD by 8260B modified		12/3/2012	12/3/2012
1212002-008A	DE4			PSGD by 8260B modified		11/28/2012	11/28/2012
1212002-009A	D4			PSGD by 8260B modified		12/3/2012	12/3/2012
1212002-010A	C4			PSGD by 8260B modified		11/28/2012	11/28/2012
1212002-011A	B4			PSGD by 8260B modified		11/28/2012	11/28/2012
1212002-012A	A4			PSGD by 8260B modified		11/28/2012	11/28/2012
1212002-013A	D4.5			PSGD by 8260B modified		11/28/2012	11/28/2012
1212002-014A	F4			PSGD by 8260B modified		11/28/2012	11/28/2012
1212002-015A	G4			PSGD by 8260B modified		12/3/2012	12/3/2012
1212002-016A	G4DUP			PSGD by 8260B modified		12/3/2012	12/3/2012
1212002-017A	G3			PSGD by 8260B modified		12/3/2012	12/3/2012
1212002-018A	Trip Blank			PSGD by 8260B modified		11/28/2012	11/28/2012

CLIENT: EA Engineering, Science, and Technology
Work Order: 1212002
Project: 12224: 1434292 B3

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_V_L

Sample	MB-1431	SampTyp	MBLK	TestCode:	8260_V_L	Units:	ng	Prep Date:	11/28/2012	RunNo:	1629
Client ID:	ZZZZZ	Batch ID:	1431	TestNo:	SW8260B		(ATD/GC/MS)	Analysis	11/28/2012	SeqNo:	17200
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	25									
cis-1,2-Dichloroethene	ND	25									
Trichloroethene	ND	25									
Surr: 4-Bromofluorobenzene	10.04	0	25	0	40.2	80	120				S
Surr: Dibromofluoromethane	24.27	0	25	0	97.1	80	120				
Surr: Toluene-d8	15.45	0	25	0	61.8	80	120				S

Sample	MB-1432	SampTyp	MBLK	TestCode:	8260_V_L	Units:	ng	Prep Date:	12/3/2012	RunNo:	1630
Client ID:	ZZZZZ	Batch ID:	1432	TestNo:	SW8260B		(ATD/GC/MS)	Analysis	12/3/2012	SeqNo:	17211
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	25									
cis-1,2-Dichloroethene	ND	25									
Trichloroethene	ND	25									
Surr: 4-Bromofluorobenzene	10.72	0	25	0	42.9	80	120				S
Surr: Dibromofluoromethane	23.91	0	25	0	95.6	80	120				
Surr: Toluene-d8	16.88	0	25	0	67.5	80	120				S

Qualifiers: E Value above quantitation range
 ND Not Detected at the Reporting Limit

H Holding times for preparation or analysis exceeded
 R RPD outside accepted recovery limits

J Analyte detected below quantitation limits
 S Spike Recovery outside accepted recovery limits

VaporTec™ Passive Soil Gas Field Deployment Record

Date: 11/08/2012 PAGE 1 OF 1
Client Project Manager: Luis Vega Client Project #: 1434292 B3
Project/Site Name: Circle Court GW Plume Site
Project/Site Address: _____
Lab Project #: _____ Lab Control #: _____

Sampler Name: Vincent Maglott

Sampler Signature: *[Signature]*

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